

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051622\
 Data File : BG053563.D
 Acq On : 16 May 2022 12:21
 Operator : CG/JU
 Sample : N2832-03
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB21

Quant Time: May 17 05:19:53 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG050522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 11 06:00:46 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

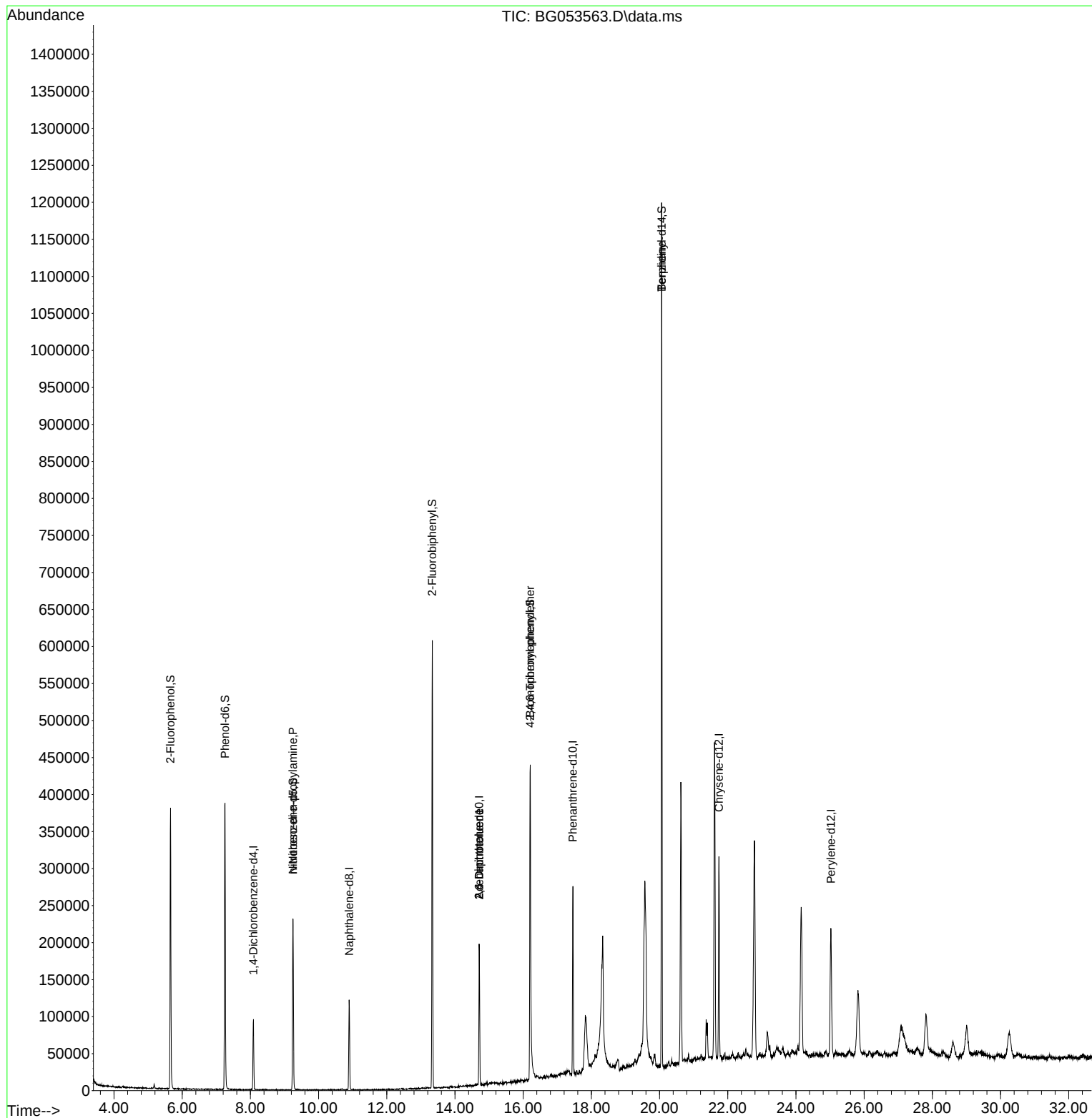
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.089	152	25378	20.000	ng	0.00
21) Naphthalene-d8	10.897	136	98306	20.000	ng	0.00
39) Acenaphthene-d10	14.710	164	69069	20.000	ng	0.00
64) Phenanthrene-d10	17.459	188	164609	20.000	ng	0.00
76) Chrysene-d12	21.741	240	177987	20.000	ng	0.00
86) Perylene-d12	25.025	264	187620	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.657	112	156178	104.443	ng	0.00
7) Phenol-d6	7.255	99	225479	99.356	ng	0.00
23) Nitrobenzene-d5	9.247	82	151572	65.634	ng	0.00
42) 2,4,6-Tribromophenol	16.208	330	113753	111.666	ng	0.00
45) 2-Fluorobiphenyl	13.335	172	313143	66.251	ng	0.00
79) Terphenyl-d14	20.061	244	568656	59.505	ng	0.00
Target Compounds						
					Qvalue	
19) n-Nitroso-di-n-propyla...	9.247	70	21035	12.919	ng	# 86
51) 2,6-Dinitrotoluene	14.710	165	9354	8.748	ng	# 16
57) 2,4-Dinitrotoluene	14.710	165	9354	6.035	ng	# 21
67) 4-Bromophenyl-phenylether	16.202	248	7626	3.967	ng	# 1
77) Benzidine	20.061	184	10182	2.654	ng	# 92

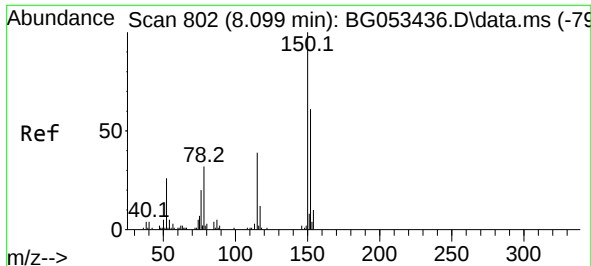
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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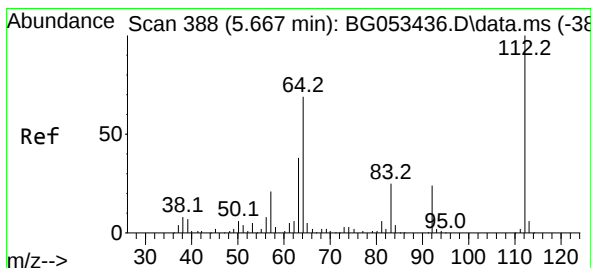
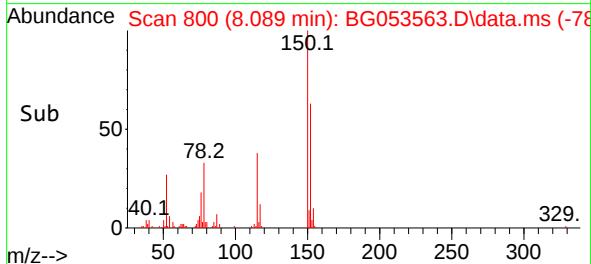
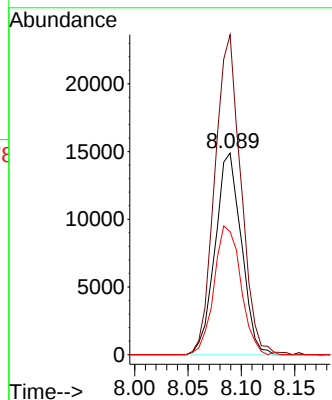
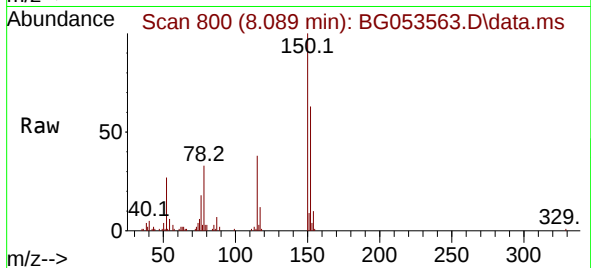




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.089 min Scan# 80
Delta R.T. 0.000 min
Lab File: BG053563.D
Acq: 16 May 2022 12:21

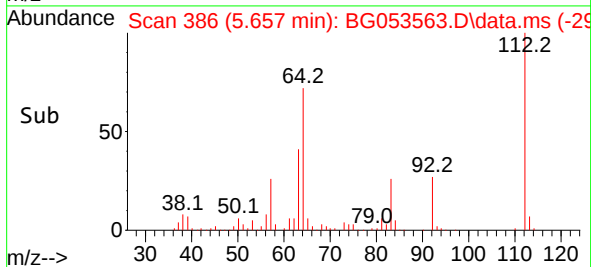
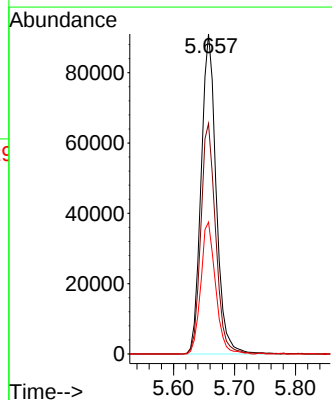
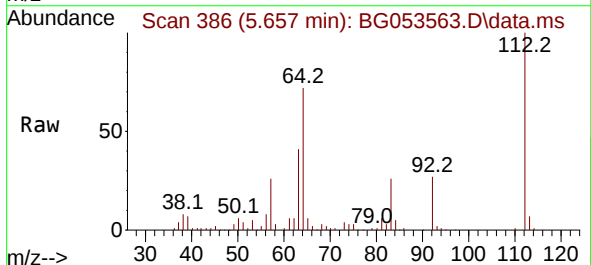
Instrument :
BNA_G
ClientSampleId :
SB21

Tgt Ion:152 Resp: 25378
Ion Ratio Lower Upper
152 100
150 158.8 131.6 197.4
115 60.9 50.9 76.3



#5
2-Fluorophenol
Concen: 104.443 ng
RT: 5.657 min Scan# 386
Delta R.T. 0.006 min
Lab File: BG053563.D
Acq: 16 May 2022 12:21

Tgt Ion:112 Resp: 156178
Ion Ratio Lower Upper
112 100
64 72.0 55.1 82.7
63 41.2 30.4 45.6

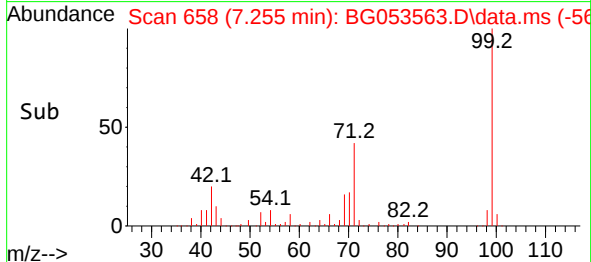
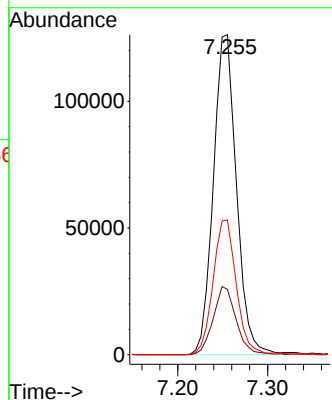
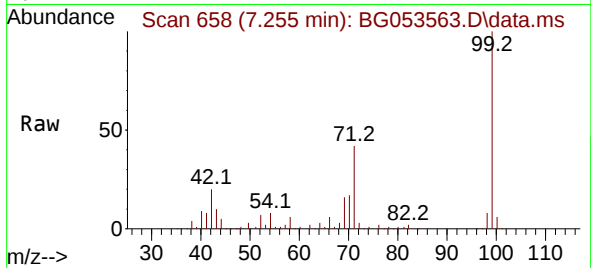




#7
Phenol-d6
Concen: 99.356 ng
RT: 7.255 min Scan# 61
Delta R.T. 0.006 min
Lab File: BG053563.D
Acq: 16 May 2022 12:21

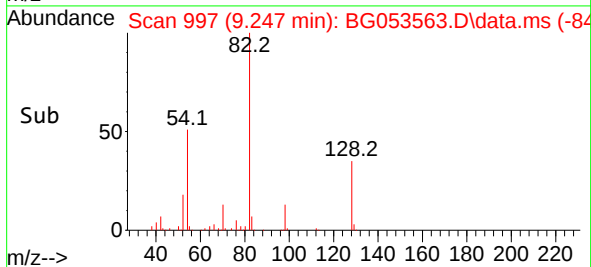
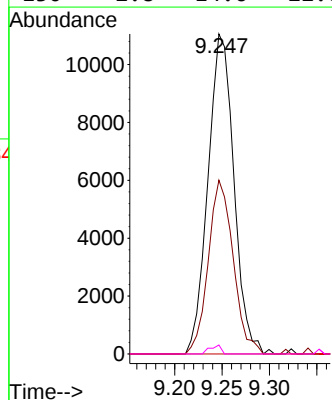
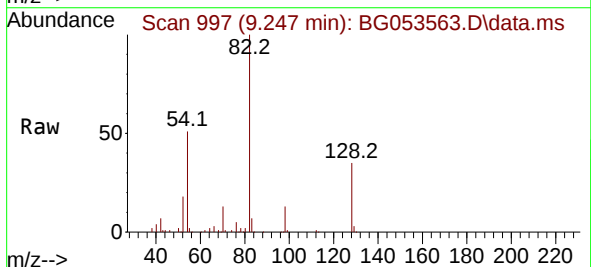
Instrument :
BNA_G
ClientSampleId :
SB21

Tgt Ion: 99 Resp: 225479
Ion Ratio Lower Upper
99 100
42 20.4 17.0 25.6
71 42.1 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 12.919 ng
RT: 9.247 min Scan# 997
Delta R.T. 0.358 min
Lab File: BG053563.D
Acq: 16 May 2022 12:21

Tgt Ion: 70 Resp: 21035
Ion Ratio Lower Upper
70 100
42 54.3 47.3 70.9
101 0.0 7.0 10.4#
130 2.8 14.6 22.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.897 min Scan# 11

Delta R.T. -0.000 min

Lab File: BG053563.D

Acq: 16 May 2022 12:21

Instrument :

BNA_G

ClientSampleId :

SB21

Tgt Ion:136 Resp: 98306

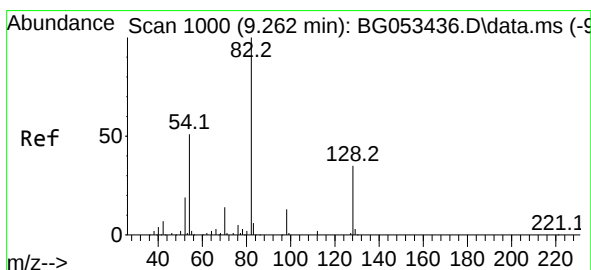
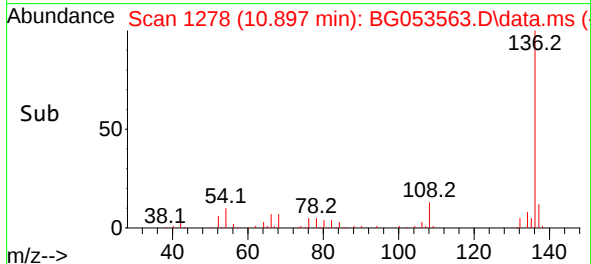
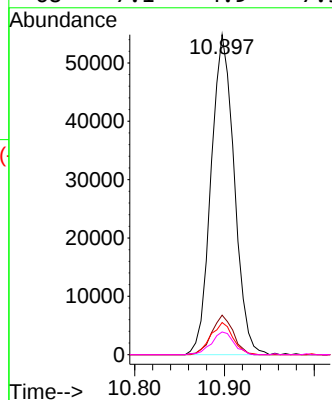
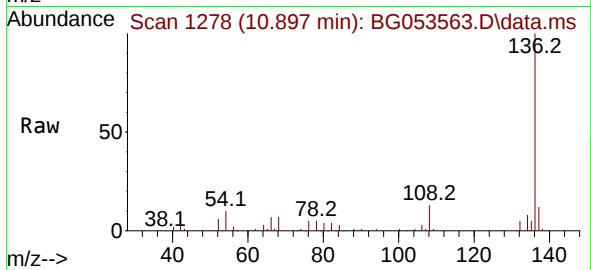
Ion Ratio Lower Upper

136 100

137 12.3 8.5 12.7

54 10.0 7.4 11.2

68 7.1 4.9 7.3



#23

Nitrobenzene-d5

Concen: 65.634 ng

RT: 9.247 min Scan# 997

Delta R.T. -0.006 min

Lab File: BG053563.D

Acq: 16 May 2022 12:21

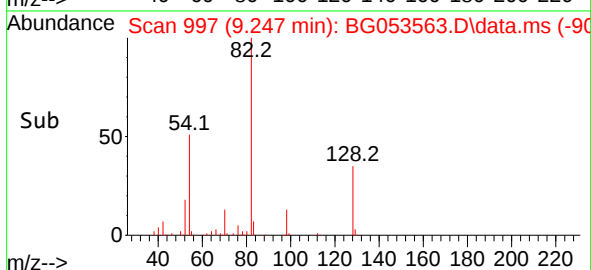
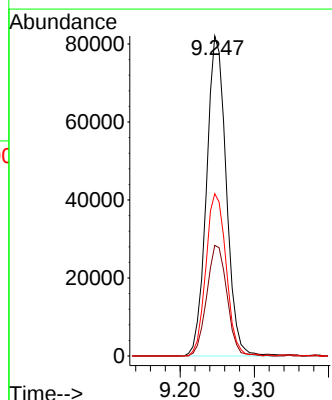
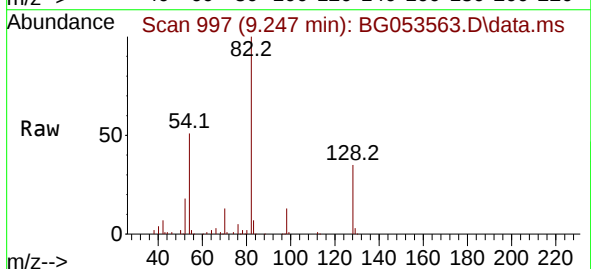
Tgt Ion: 82 Resp: 151572

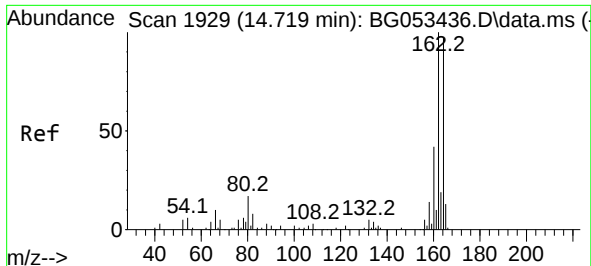
Ion Ratio Lower Upper

82 100

128 34.5 27.9 41.9

54 50.7 41.2 61.8

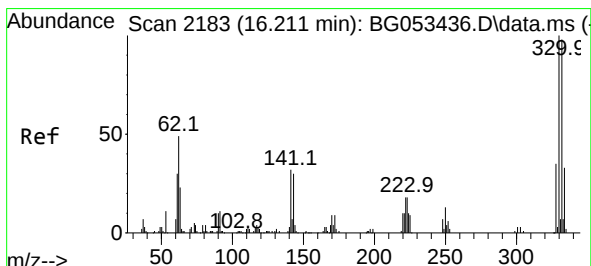
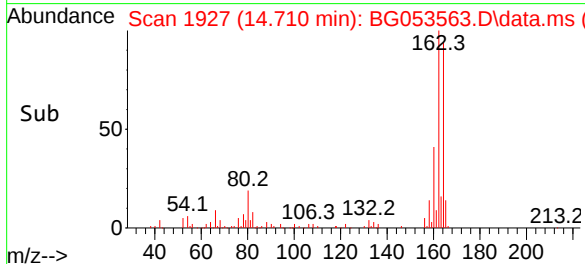
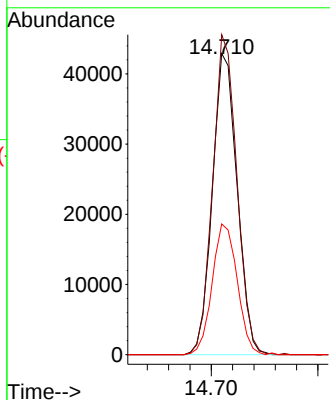
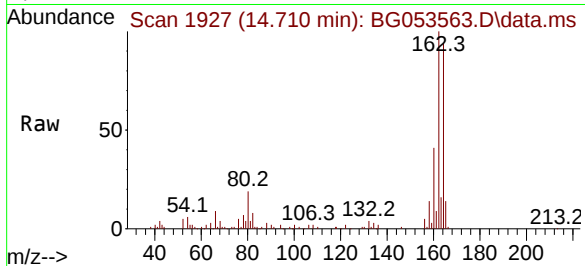




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.710 min Scan# 1929
Delta R.T. -0.006 min
Lab File: BG053563.D
Acq: 16 May 2022 12:21

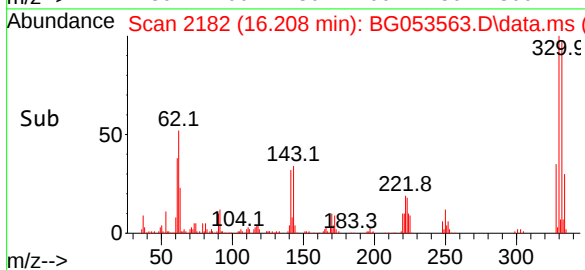
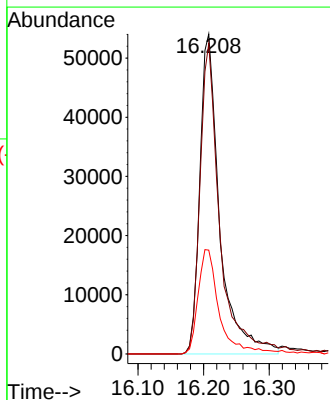
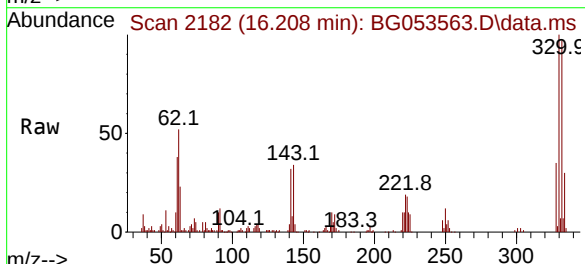
Instrument :
BNA_G
ClientSampleId :
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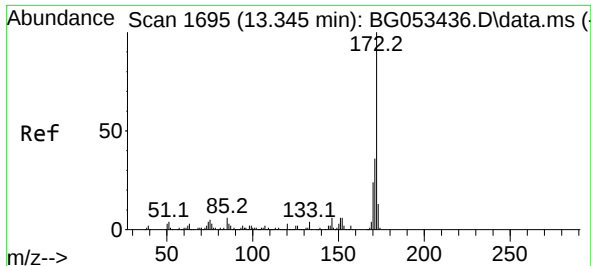
Tgt Ion:164 Resp: 69069
Ion Ratio Lower Upper
164 100
162 106.3 82.3 123.5
160 43.4 34.2 51.2



#42
2,4,6-Tribromophenol
Concen: 111.666 ng
RT: 16.208 min Scan# 2182
Delta R.T. 0.006 min
Lab File: BG053563.D
Acq: 16 May 2022 12:21

Tgt Ion:330 Resp: 113753
Ion Ratio Lower Upper
330 100
332 97.1 76.0 114.0
141 35.2 27.1 40.7

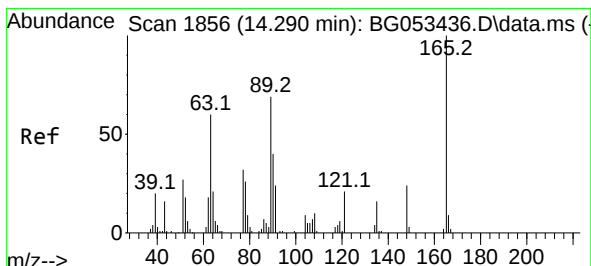
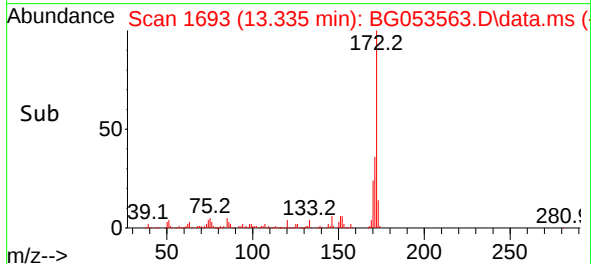
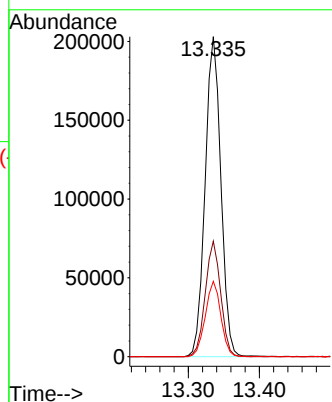
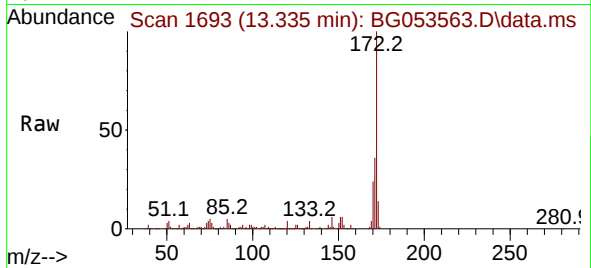




#45
2-Fluorobiphenyl
Concen: 66.251 ng
RT: 13.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: BG053563.D
Acq: 16 May 2022 12:21

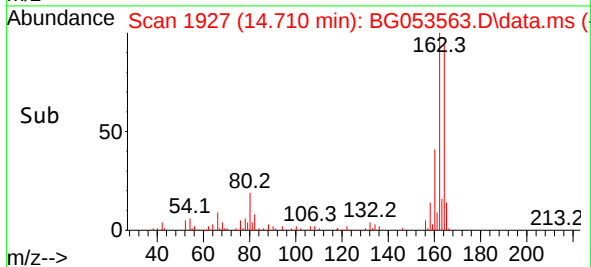
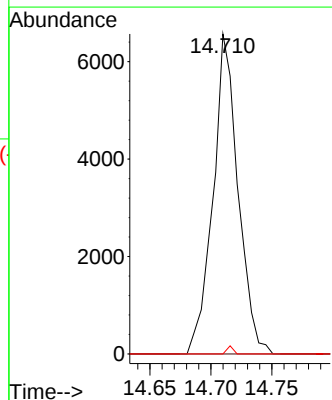
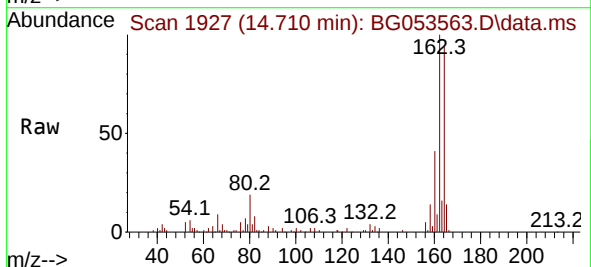
Instrument :
BNA_G
ClientSampleId :
SB21

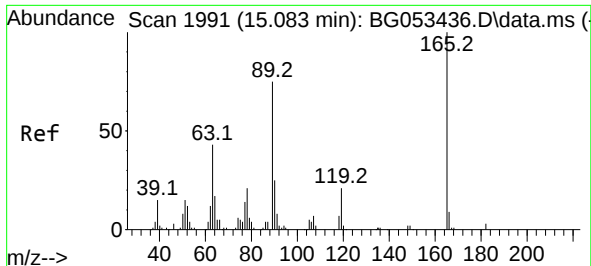
Tgt Ion:172 Resp: 313143
Ion Ratio Lower Upper
172 100
171 36.1 28.5 42.7
170 23.6 18.9 28.3



#51
2,6-Dinitrotoluene
Concen: 8.748 ng
RT: 14.710 min Scan# 1927
Delta R.T. 0.429 min
Lab File: BG053563.D
Acq: 16 May 2022 12:21

Tgt Ion:165 Resp: 9354
Ion Ratio Lower Upper
165 100
63 0.0 54.1 81.1#
89 0.0 54.8 82.2#

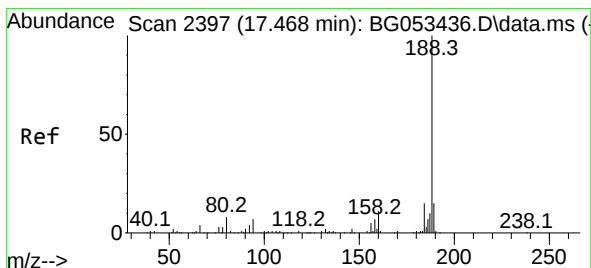
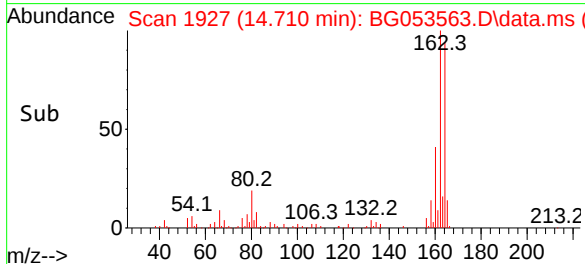
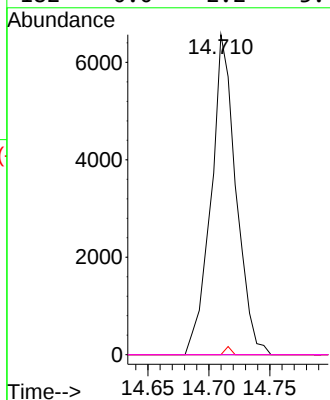
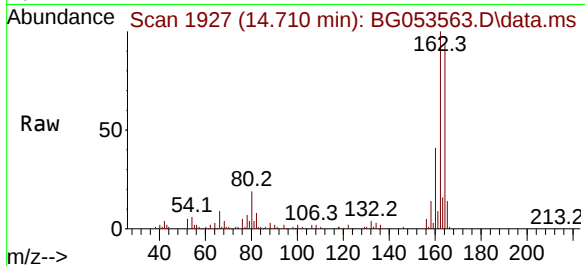




#57
2,4-Dinitrotoluene
Concen: 6.035 ng
RT: 14.710 min Scan# 1991
Delta R.T. -0.364 min
Lab File: BG053563.D
Acq: 16 May 2022 12:21

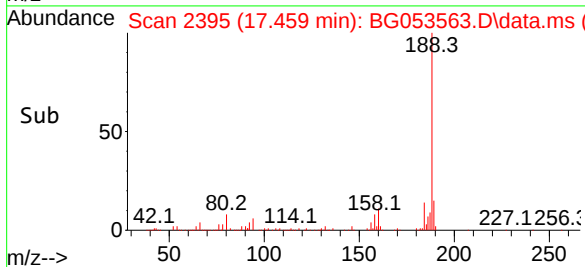
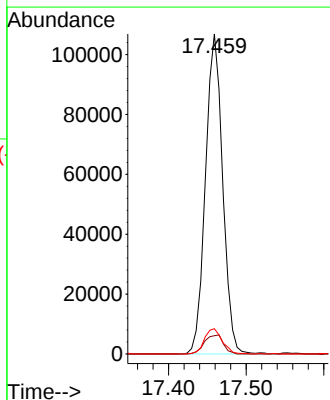
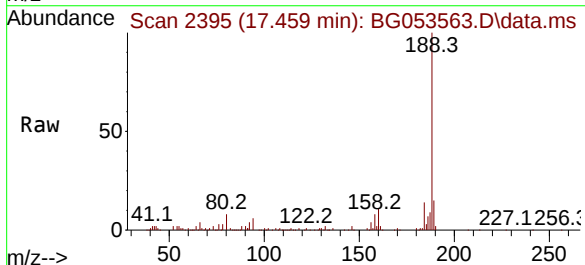
Instrument :
BNA_G
ClientSampleId :
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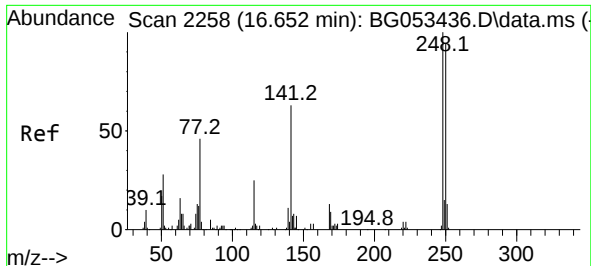
Tgt Ion:165	Resp:	9354
Ion Ratio	Lower	Upper
165	100	
63	0.0	34.6
89	0.0	60.3
182	0.0	2.2



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.459 min Scan# 2395
Delta R.T. -0.000 min
Lab File: BG053563.D
Acq: 16 May 2022 12:21

Tgt Ion:188	Resp:	164609
Ion Ratio	Lower	Upper
188	100	
94	5.7	5.4
80	7.9	6.8

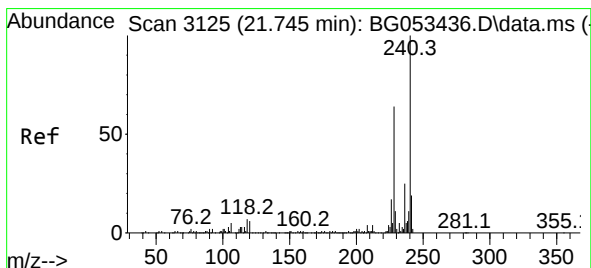
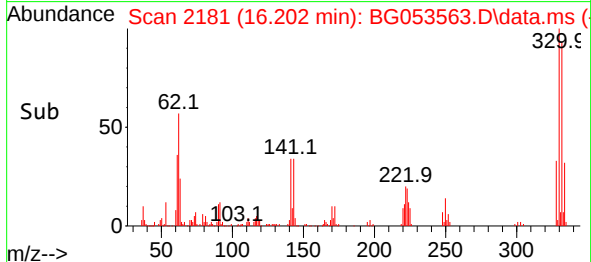
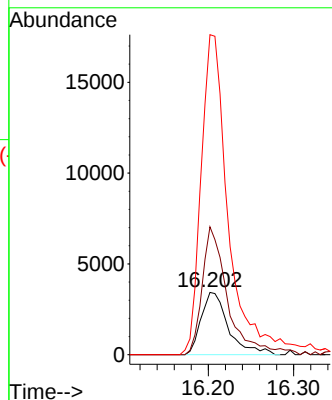
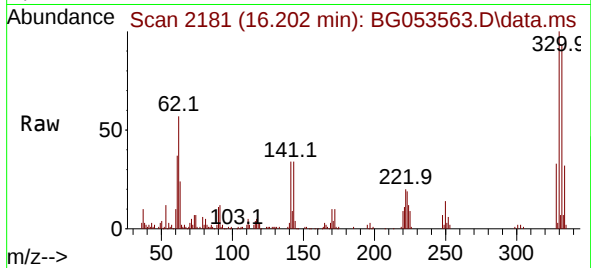




#67
4-Bromophenyl-phenylether
Concen: 3.967 ng
RT: 16.202 min Scan# 2118
Delta R.T. -0.441 min
Lab File: BG053563.D
Acq: 16 May 2022 12:21

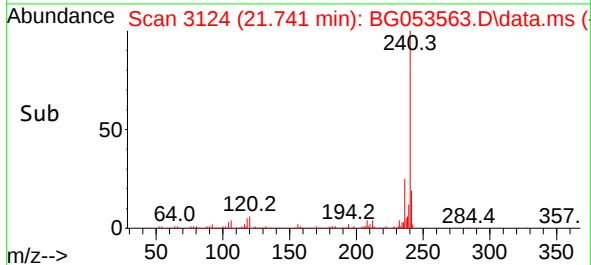
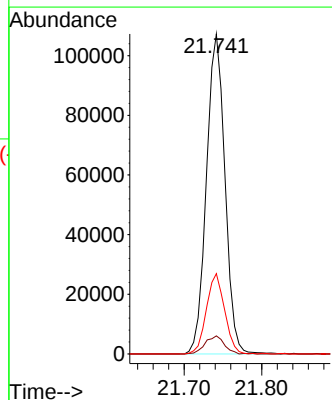
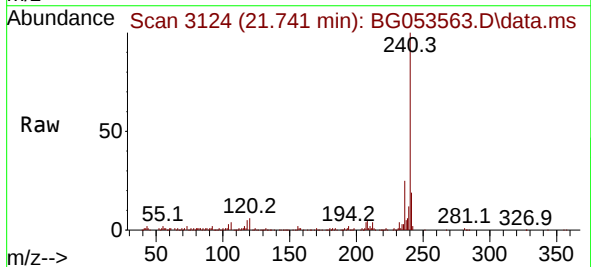
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BNA_G
ClientSampleId :
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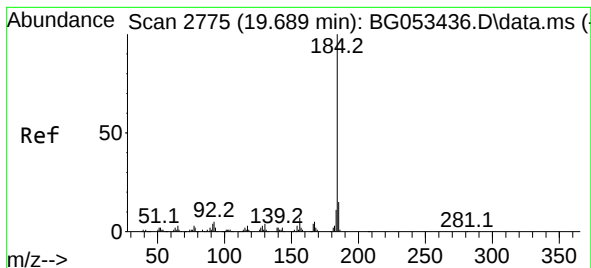
Tgt Ion:248 Resp: 7626
Ion Ratio Lower Upper
248 100
250 205.3 75.2 112.8#
141 513.8 50.0 75.0#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.741 min Scan# 3124
Delta R.T. -0.000 min
Lab File: BG053563.D
Acq: 16 May 2022 12:21

Tgt Ion:240 Resp: 177987
Ion Ratio Lower Upper
240 100
120 5.7 4.6 7.0
236 25.1 20.2 30.4





#77

Benzidine

Concen: 2.654 ng

RT: 20.061 min Scan# 2838

Delta R.T. 0.382 min

Lab File: BG053563.D

Acq: 16 May 2022 12:21

Instrument :

BNA_G

ClientSampleId :

SB21

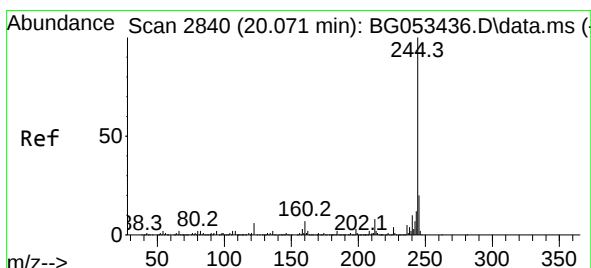
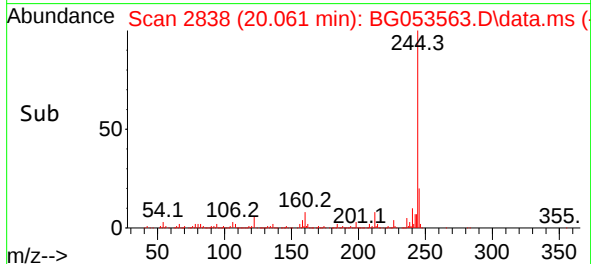
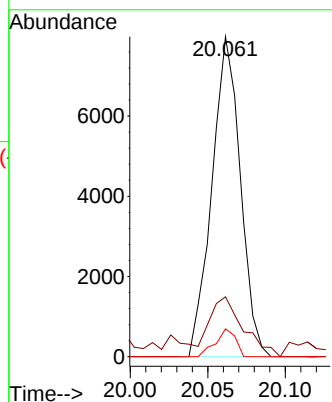
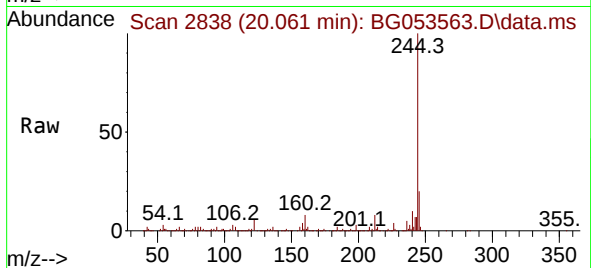
Tgt Ion:184 Resp: 10182

Ion Ratio Lower Upper

184 100

185 18.7 11.8 17.6#

183 8.7 8.9 13.3#



#79

Terphenyl-d14

Concen: 59.505 ng

RT: 20.061 min Scan# 2838

Delta R.T. -0.000 min

Lab File: BG053563.D

Acq: 16 May 2022 12:21

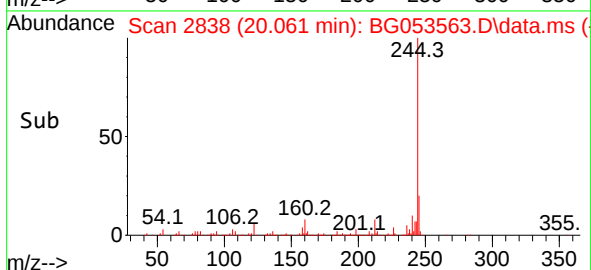
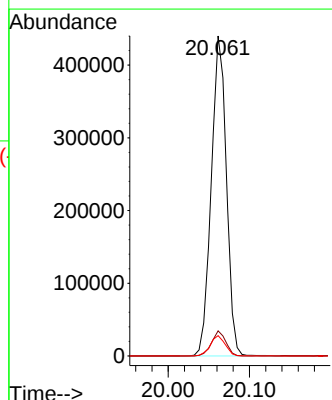
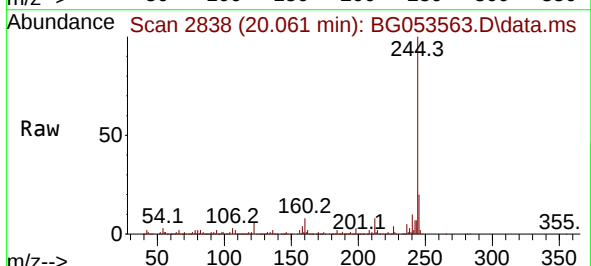
Tgt Ion:244 Resp: 568656

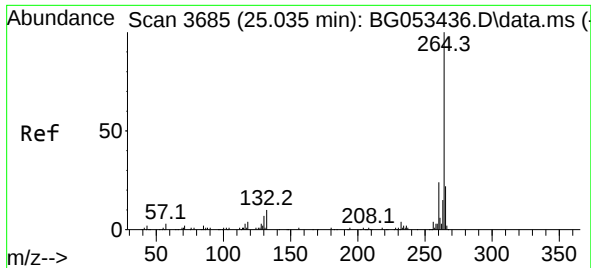
Ion Ratio Lower Upper

244 100

212 7.8 6.5 9.7

122 6.3 5.0 7.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.025 min Scan# 30
Delta R.T. 0.006 min
Lab File: BG053563.D
Acq: 16 May 2022 12:21

Instrument :
BNA_G
ClientSampleId :
SB21

Tgt Ion:264 Resp: 187620

Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.0	28.6
265	23.2	17.4	26.2

